

B1
pigment having attached a third chemical group, wherein the second chemical group reacts with the first chemical group to form the third chemical group, and said first chemical group comprises at least one electrophile and said second chemical group comprises at least one nucleophile, or vice versa, wherein said pigment having attached a first chemical group is prepared by reacting a diazonium salt having the first chemical group with at least one type of pigment to form said pigment having attached a first chemical group, and wherein the first chemical group, the second chemical group, and the third chemical group each comprises at least one organic group selected from the group consisting of: acyl azides, isocyanates, ketones, aldehydes, anhydrides, amides, imides, imines, α,β -unsaturated ketones and aldehydes, alkyl halides, epoxides, alkyl sulfonates and sulfates, amines, hydrazines, thiols, hydrazides, oximes, carbanions, aromatic compounds which undergo addition-elimination reactions, and salts and derivatives thereof.

B2
30.(Twice Amended) A modified pigment comprising a pigment having attached at least one organic group, wherein said organic group comprises: the reaction product of at least one electrophile and a nucleophilic polymer which is then further reacted with an acylating agent, wherein the organic group is attached by reacting a diazonium salt having the electrophile with at least one type of pigment and wherein the electrophile is selected from the group consisting of: acyl azides, isocyanates, ketones, aldehydes, anhydrides, amides, imides, imines, α,β -unsaturated ketones and aldehydes, alkyl halides, epoxides, alkyl sulfonates and sulfates, aromatic compounds which undergo addition-elimination reactions, and salts and derivatives thereof.

B3
38.(Twice Amended) An ink composition comprising a liquid vehicle and a modified pigment, wherein the modified pigment comprises a pigment having attached at least one organic group, wherein said organic group comprises: the reaction product of at least one electrophile and a nucleophilic polymer which is then further reacted with an acylating agent, wherein the organic group is attached by reacting a diazonium salt having the electrophile with at least one